One little Question Wed Dec 1, 2010

A plastic ball of mass 50g and charged with a +50μC charge sits atop a 30o ramp of length 2.0m. A second ball of equal mass and charge sits halfway up the ramp. The second ball is let go and it rolls down the ramp. What is the speed of the ball at the bottom of the ramp? Assume friction is negligible. Assume rotational energy is minimal.

[TIPS 3 marks]